

ENERGY STAR Resources for EECBG Projects

What is ENERGY STAR for Buildings?



- U.S. Environmental Protection Agency energy management program.
- Offers proven solutions to help building owners and managers reduce energy consumption.
- Program for new construction and existing buildings.
- Works in markets with a focus on:
 - Commercial property (offices, retail, hotels)
 - Public sector (government, K-12, higher ed)
 - Healthcare
 - Small business and congregations

Who's Improving Performance with ENERGY STAR



- **State and Local Governments** (California, Pennsylvania, Washington, DC, Austin, Louisville, Montgomery County (MD), Arlington County (VA))
- **K-12 Schools** (New York City Schools, San Diego Schools, nearly 100 Wisconsin school districts)
- **Commercial Real Estate** (CB Richard Ellis, Hines, Jones Lang LaSalle, USAA Realty, Transwestern)
- **Retail** (JCPenney, Kohl's, Target, Dick's Sporting Goods, Food Lion, Stop & Shop)
- **Hospitality** (Marriott, Best Western, Wyndham)
- **Healthcare** (Sunrise Assisted Living, Providence Health, Inova Health System)
- **Higher Education** (University of New Hampshire, City University of New York, University of Michigan)
- **Associations** (ICLEI, NACo, USCM, NASEO, BOMA, IFMA, American Association of Community Colleges, Green Hotels Association, National Automobile Dealers Association)

Leveraging ENERGY STAR in EECBG Projects



- As you are launching EECBG programs, ENERGY STAR resources can be integrated into existing programs or used to launch stand alone programs...

Off-the-Shelf ENERGY STAR Resources



- Portfolio Manager
- Building Upgrade Manual
- “Bring Your Green to Work” Campaign
- ENERGY STAR College Course
- ENERGY STAR Training

ENERGY STAR Tools and Resources Library



The screenshot shows the Energy Star website homepage. At the top, there's a banner with the Energy Star logo, a photo of a diverse group of people, and the text "CHANGE THE WORLD, TAKE THE ENERGY STAR PLEDGE." with a "GO" button. Below this is a navigation bar with "ENERGY STAR" and links for "About ENERGY STAR", "News Room", "FAQs", and "KIDS". A search bar is also present. The main content area is divided into four columns: "PRODUCTS", "HOME IMPROVEMENT", "BUILDINGS & PLANTS", and "NEW HOMES". Each column has a list of links. A red arrow points to the "Tools & Resources Library" link in the "BUILDINGS & PLANTS" column, which is also circled in red. To the right of the main content area is a "HEADLINES" section with several news items and a "GO TO PARTNER RESOURCES" button. At the bottom right, there's a "Login" section with fields for "Username" and "Password".

ENERGY STAR

U.S. ENVIRONMENTAL PROTECTION AGENCY • U.S. DEPARTMENT OF ENERGY

About ENERGY STAR • News Room • FAQs • **KIDS**

Search Go

PRODUCTS ▶

- Change the world, take the **ENERGY STAR Pledge.**
- Explore Products >
- Appliances
- Heating & Cooling
- Home Electronics
- Lighting
- Office Equipment
- Store Locator
- Rebate Finder

HOME IMPROVEMENT ▶

- ENERGY STAR HOME ADVISOR**
- Explore Home Improvement >
- Common Home Problems
- Home Energy Audits
- Air Seal & Insulate
- Heat & Cool Efficiently
- Home Performance with ENERGY STAR
- For Contractors

HEADLINES

- ENERGY STAR Award Applications Now Available
- Save on Summer Cooling Costs
- EPA Announces New Set-top Box Requirements
- EPA Launches New Campaign in Fight Against Climate Change
- New Report: Profiles in Leadership, Recognizing ENERGY STAR Winners
- [More Headlines >](#)

BUILDINGS & PLANTS ▶

- Take the **ENERGY STAR CHALLENGE!**
- Explore Buildings & Plants >
- Guidelines for Energy Management
- Tools & Resources Library**
- Expert Help
- Commercial Building Design
- Green Buildings

NEW HOMES ▶

- ENERGY STAR Qualified Homes**
- Explore Qualified New Homes >
- Find an ENERGY STAR Builder
- ENERGY STAR New Home Features
- Benefits for Homeowners
- For Residential Professionals
- Take A Tour Behind the Walls

GO TO PARTNER RESOURCES ▶

Login

Username:

Password:

ENERGY STAR Portfolio Manager



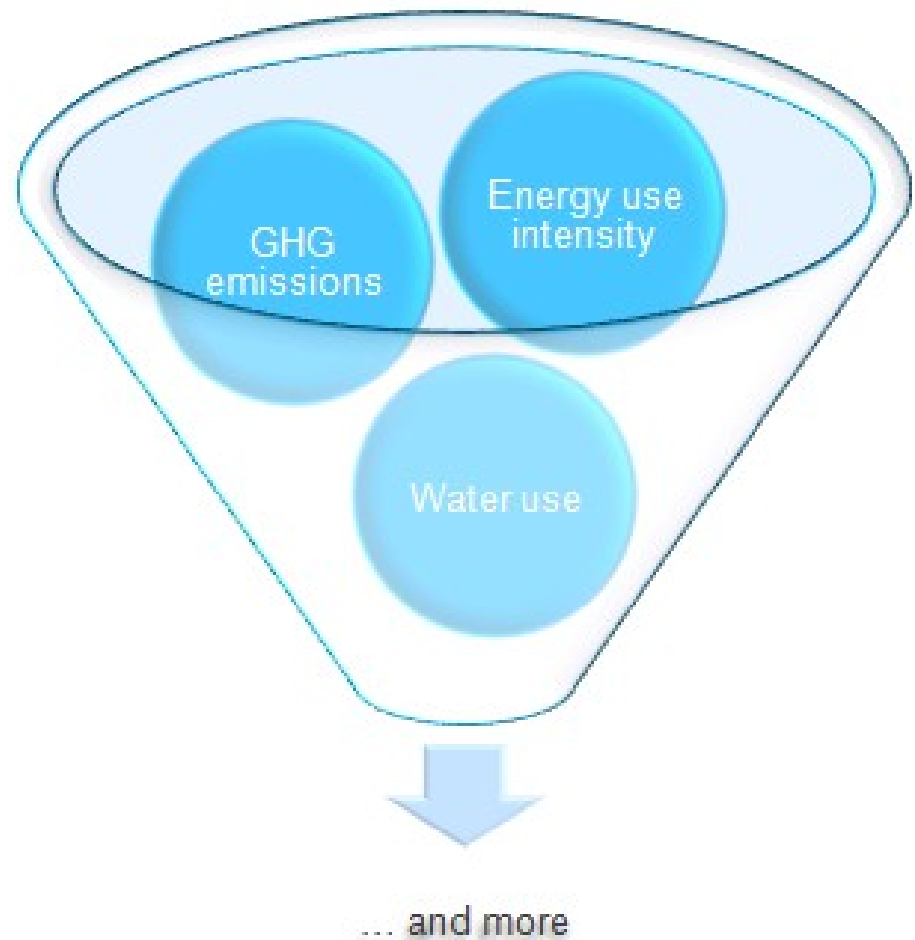
EPA's no-cost online tool: www.energystar.gov/benchmark

- Assess the whole building energy use of existing buildings (weather normalized EUI)
- Track changes in energy and water use over time in single buildings, groups of buildings, or entire portfolios
- Receive an energy performance rating (1-100 score), buildings that score a 75 or higher are eligible for the ENERGY STAR.
- Track CO₂ reductions and cost savings
- Track onsite renewable wind and solar energy use
- Custom reporting and graphing features - for your own buildings *and* external sharing

Valuable Performance Tracking for ALL Commercial Buildings



- Such as:
 - Police Stations
 - Fire Stations
 - Assisted Living Facilities
 - Convention Centers
 - Laboratories
 - Libraries
 - Malls
 - Movie Theatres
 - Restaurants
 - Stadiums and Arenas



ENERGY STAR 1-100 Score Eligible Building Types



**Bank/Financial
Institutions**



Courthouses



Data Centers



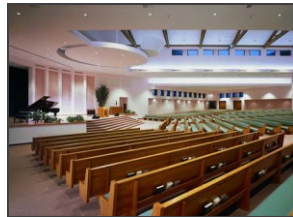
Dormitories



Hospitals



Hotels



**Houses of
Worship**



K-12 Schools



Medical Offices



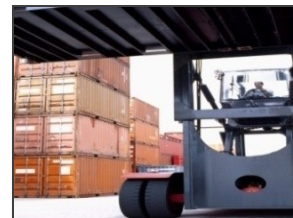
Office Buildings



Retail Stores



Supermarkets



Warehouses

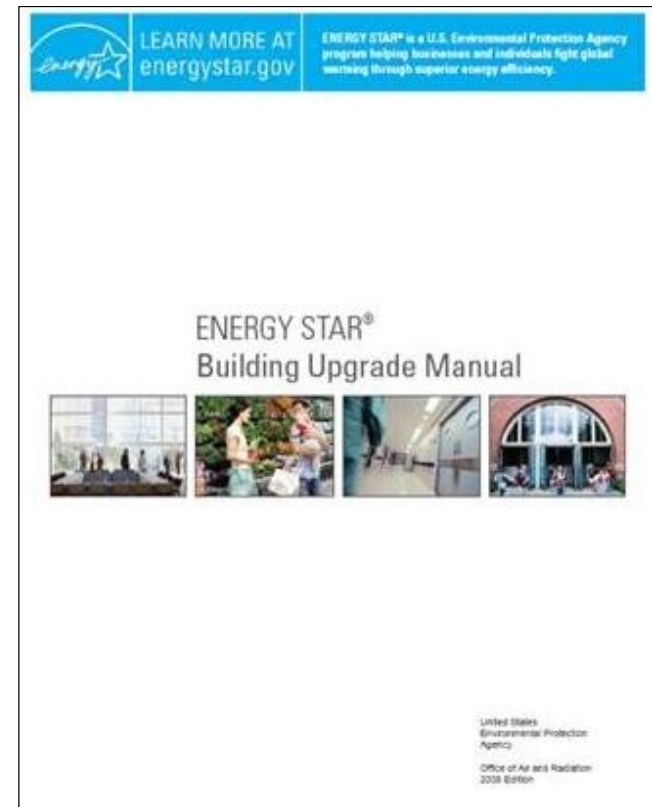


**Wastewater
Treatment Plants**

Promote Energy Efficiency Best Practices with EPA's Building Upgrade Manual

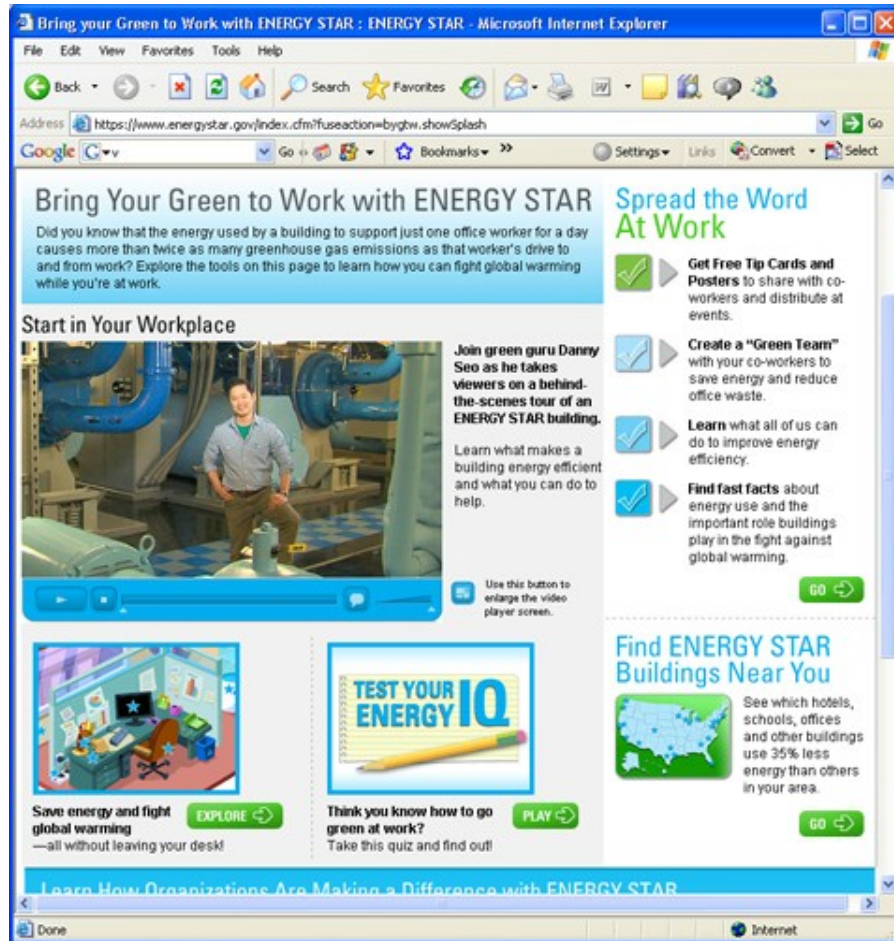


- Guidance to plan and implement profitable energy saving building upgrades utilizing best practices for cost-effective improvement.
- Expanded **benchmarking guidance**, including benefits, options, and best practices
- Updated **resources, case studies, and savings data**
- Staged approach for planning upgrades to maximize energy savings:
 - Retrocommissioning (Chapter 5)
 - Lighting (Chapter 6)
 - Supplemental Load Reductions (Chapter 7)
 - Air Distribution Systems (Chapter 8)
 - Heating And Cooling Upgrades (Chapter 9)



www.energystar.gov/bldgmanual

Engage Employees/Tenants with EPA's "Bring Your Green to Work"



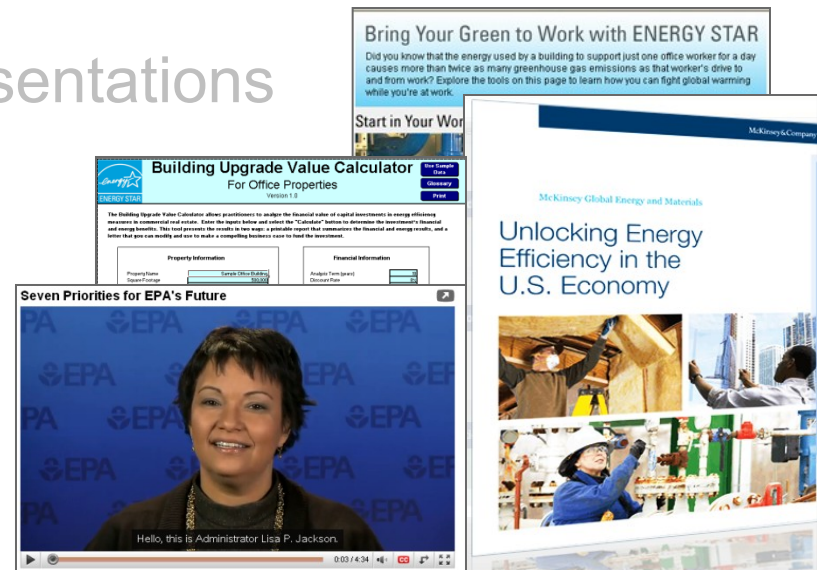
Off-the-Shelf Energy Awareness Program

- Green Team checklist
- Employee Training Toolkit
- Behind the scenes tour
- Interactive cubicle
- Energy quiz
- Publications
- Fast Facts on Energy

ENERGY STAR College/Training Curriculum



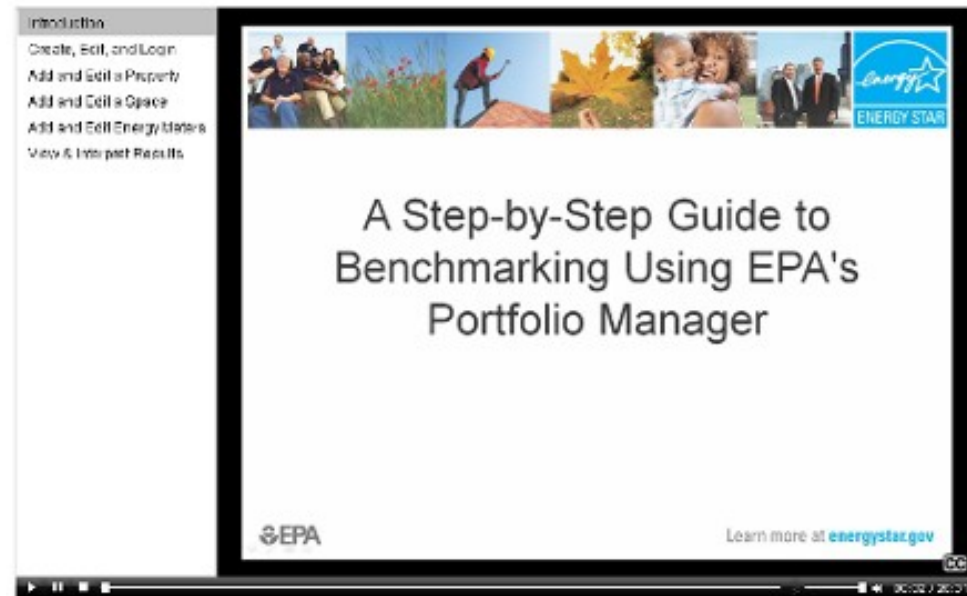
- Gives students practical, hands-on experience with commercial building energy efficiency
- Free-of-charge, off-the-shelf package from EPA
- Includes everything you need:
 - Course Syllabus, outline, and reading list
 - Student project
 - Course lecture plans and presentations
 - ...And more!
- Customize or expand it to your needs



Tap into ENERGY STAR Training Resources



- **Benchmarking Starter Kit**
 - Animated Portfolio Manager training
 - Data Collection Worksheet
 - Step-by-step Quick Reference Guide
- **Cost-free live and recorded trainings**
 - Commercial Real Estate: Best Practices to Improve Energy Performance
 - Highlighting ENERGY STAR Retail Successes
 - Computer Power Management with ENERGY STAR
 - Financing Energy Efficient Upgrades
 -Many more available!





For More Information

Visit www.energystar.gov/buildings

E-mail buildings@energystar.gov